

Converting Colors

`RYB(187, 115, 215)`

Have a look what the booklet for
RYB(187, 115, 215) contains.

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Color

R_YB(187, 115, 215)

Conversions

Conversions Part 1

Format	Color
Hex	BB73D7
RGB	187, 115, 215
RGB Percent	73%, 45%, 84%
CMY	0.2667, 0.5490, 0.1569
CMYK	0.13, 0.47, 0.00, 0.16
HSL	283°, 56%, 65%
HSV	283°, 47%, 84%
XYZ	38.8900, 27.7326, 67.5932
YIQ	147.9280, 10.8120, 46.3640

Conversions

Conversions Part 2

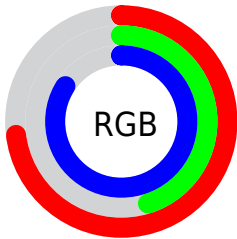
Format	Color
R _{YB}	187, 115, 215
Decimal	12284887
CIE _{Lab}	59.65, 45.13, -40.19
CIE _{LCh}	60, 60.433, 318.318
Yxy	27.7326, 0.2898, 0.2066
Android (android.graphics.Color)	4290474967 (0xFFBB73D7)
YUV	147.9280, 33.0665, 34.2661
Hunter-Lab	52.6617, 39.6619, -39.2376

Details

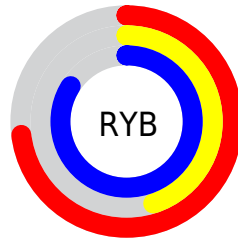
The RYB color **187, 115, 215** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **115, 215, 187**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **245, 169, 255**, and **132, 64, 160** is the 20% darker color. If you saturate the color by 10%, you get **181, 94, 215**, and if you desaturate by 10%, it is **193, 137, 215**.

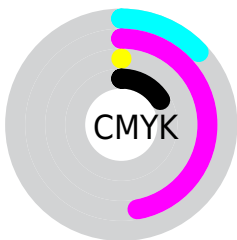
Distribution



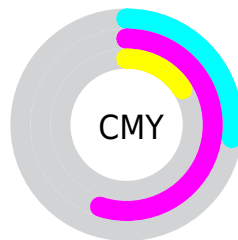
- Red (73%)
- Green (45%)
- Blue (84%)



- Red (73%)
- Yellow (45%)
- Blue (84%)



- Cyan (13%)
- Magenta (47%)
- Yellow (0%)
- Black (16%)




- Cyan (27%)
- Magenta (55%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 187, 115, 215 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 187, 115, 215 by changing the saturation by 10% instead.

 187, 115, 215

 187, 115, 215

255, 255, 255

 159, 89, 187

 245, 169, 255

 132, 64, 160

 255, 197, 255

 105, 38, 133

 255, 225, 255

 79, 8, 108

255, 254, 255


 53, 0, 83


 32, 0, 59


 0, 2, 36


 0, 0, 12


 0, 0, 0


 187, 115, 215


 187, 115, 215

 181, 94, 215


 193, 137, 215


 175, 72, 215

 199, 158, 215

 169, 51, 215

 205, 180, 215

 163, 29, 215

 211, 201, 215

 157, 8, 215

 215, 223, 221

 155, 0, 215

 215, 244, 236

 215, 255, 241

 215, 255, 235

 215, 255, 229

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



103, 131, 245



187, 115, 215



229, 95, 167

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



187, 115, 215



110, 188, 28



0, 86, 176

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



187, 115, 215



115, 215, 187

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0, 98, 168



187, 115, 215



28, 151, 39

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



187, 115, 215



224, 132, 65



68, 162, 155



0, 95, 222

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



187, 115, 215



239, 92, 131



68, 162, 155



0, 88, 169

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



187, 115, 215



245, 219, 255



115, 137, 215



121, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



187, 115, 215



215, 112, 255



215, 115, 193



104, 96, 107



123, 0, 171



31, 0, 43

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



215, 115, 143



255, 112, 152



115, 197, 215



107, 96, 99



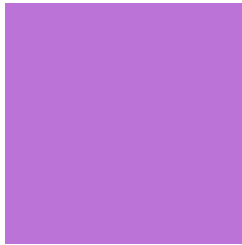
171, 0, 48



43, 0, 12

Previews

White Background



This preview shows how the RYB color 187, 115, 215 looks on a white background.

Color Contrast Check

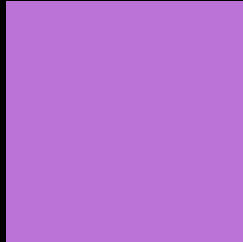
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 187, 115, 215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

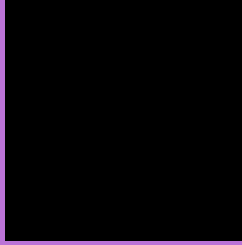
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 187, 115, 215 Background



This preview shows how black text looks on a background with the RYB color 187, 115, 215.

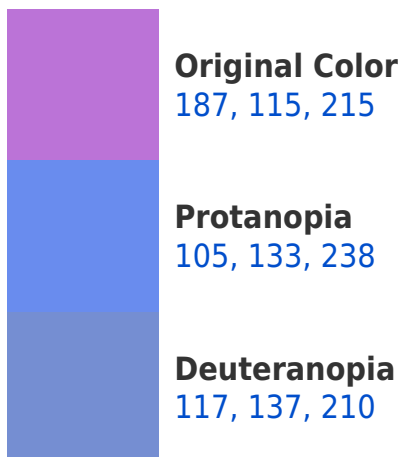


This preview shows how white text looks on a background with the RYB color 187, 115, 215.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
176, 132, 142

Trichromacy



Original Color

187, 115, 215



Protanomaly

135, 132, 230



Deuteranomaly

142, 133, 212



Tritanomaly

180, 126, 169

Monochromacy



Original Color

187, 115, 215



Achromatopsia

148, 148, 148



Achromatomaly

162, 136, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 187, 115, 215 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(187, 115, 215)` looks like.

```
.text, #text, p{  
    color:rgb(187, 115, 215)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(187, 115, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 115, 215) }
```

Border

The CSS property to change the border of an element to RYB 187, 115, 215 is called "border". The border property can be set on classes, ids or directly on the HTML element.

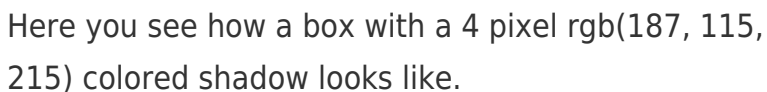
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 115, 215) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(187, 115, 215) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(187, 115, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 115, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 115, 215);  
box-shadow:4px 4px 4px 4px rgb(187, 115,  
215) }
```

Background

The CSS property to change the background color of an element to RYB 187, 115, 215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 115, 215) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(187,  
115, 215) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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